

CLAIMS

1. A means for sealing constructions comprising a mixture of soil, preferably argillaceous materials and/or coarse clay, and an additive which breaks open the enclosing water around the grain, wherein 1 m^3 of soil contains up to 0.5% by volume, preferably between 0.01% by volume and 0.1% by volume and particularly preferably 0.03% by volume of the additive.

2. A means for sealing constructions according to claim 1 characterised in that the additive is a polymer, in particular a polymeric (meth)acrylamide.

3. A means for sealing constructions according to claim 1 or claim 2 characterised in that the additive contains saponified paraffins.

4. A means for sealing constructions according to one of claims 1 to 3 characterised in that the soil contains a proportion of at least 10% by weight, preferably at least 15% by weight of clay and/or coarse clay

5. A means for sealing constructions according to one of claims 1 to 4 characterised in that a proportion of cement and/or lime which in turn contains a proportion of 1% by weight to 10% by weight, preferably 3.5% by weight of the additive, is added to the mixture.

6. A means for sealing constructions according to claim 5 characterised in that between 15 kg and 25 kg, preferably 20 kg of the cement or lime containing the additive, is added to 1 m^3 of soil.

7. A means for sealing constructions according to one of claims 1 to 6 characterised in that a proportion of between 20% by weight and 50% by weight, preferably between 20% by weight and 40% by weight and particularly preferably between 30% by weight and 35% by weight of water is added to the mixture to make it capable of flow.

8. A method of sealing constructions in which a mixture of soil and an additive according to one of claims 1 to 7 is injected into the construction or sprayed on at the surface.

9. A method of sealing constructions according to claim 8 characterised in that holes are bored into the construction, the walls of the holes being stabilised, that the soil is flushed out of the walls of the holes and then a mixture of soil and an additive according to one of claims 1 to 7 is pressed into the hole.

10. A method of sealing constructions according to claim 9 characterised in that the walls of the bore holes are supported with a tube which has slots and the soil is flushed out through the slots and the mixture of soil and an additive according to one of claims 1 to 7 is pressed into the construction through the slots.

11. A method of sealing constructions according to one of claims 8 to 10 characterised in that substances with a high fine proportion, preferably clay and/or coarse clay, are added to the mixture of the soil and an additive according to one of claims 1 to 6.

12. A method of sealing constructions wherein an additive according to one of claims 1 to 7 is injected into cavities, holes and/or into the porous intermediate spaces of the soil of the construction and there mixed with the soil.

13. A method according to one of claims 8 or 12 characterised in that the additive or the mixture of soil and additive is injected into the construction by way of a rotating boring lance.